

IN THE CLAIMS

1. (currently amended) An ultrasonic diagnostic apparatus for transmitting ultrasonic signals from ultrasonic transducers toward a subject to be examined, and receiving reflected waves of said ultrasonic signals for display, comprising:

an analog switch for switching ultrasonic transducers for transmission of said ultrasonic signals and reception of said reflected waves;

a transmitter power source for supplying a high voltage to a transmitter circuit for causing said ultrasonic transducers to drive said ultrasonic signals; and

a bias power source generating circuit for generating a bias power source for said analog switch from said transmitter power source, wherein said bias power source generating circuit includes at least one diode and at least one capacitor.

2. (original) The ultrasonic diagnostic apparatus of claim 1, wherein

said bias power source generating circuit comprises a positive bias power source generating circuit for outputting a voltage value higher than a positive voltage value of said transmitter power source, and a negative bias power source generating circuit for outputting a voltage lower than a negative voltage value of said transmitter power source.

3. (original) The ultrasonic diagnostic apparatus of claim 1, wherein

a circuit for generating said bias power source from said transmitter power source is a charge pump.

4. (original) The ultrasonic diagnostic apparatus of claim 1, wherein

said apparatus is a transmission voltage control circuit for variably controlling the voltage value of said transmitter power source.

5. (original) The ultrasonic diagnostic apparatus of claim 3 or 4, wherein
a driving circuit for said charge pump shares a driving circuit in said transmitter
power source.
6. (original) The ultrasonic diagnostic apparatus of claim 1, wherein
said transmitter power source comprises a stabilizing power source circuit for
decreasing and stabilizing the positive voltage value supplied to said transmitter circuit, and a
stabilizing power source circuit for increasing and stabilizing the negative voltage value
supplied to said transmitter circuit.